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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,877	09/19/2003	Toru Hanaoka	275412001700	6778
	7590 02/26/2007 FOERSTER LLP	EXAMINER		
755 PAGE MILL RD			MAGEE, CHRISTOPHER R	
PALO ALTO,	CA 94304-1018		ART UNIT	PAPER NUMBER
			2627	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	02/26/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)				
Office Action Summary		10/665,877	HANAOKA ET AL.				
		Examiner	Art Unit				
		Christopher R. Magee	2627				
Period fo	The MAILING DATE of this communication apported to the second section apport.	pears on the cover sheet with the c	orrespondence ad	dress			
WHI(- Exte after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICATION OF THE MAILING DISTRICT OF THE MAILIN	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	J. nely filed the mailing date of this or D (35 U.S.C. § 133).				
Status							
1) 又	Responsive to communication(s) filed on 21 N	lovember 2006					
		s action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
٠,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
<u> </u>							
•	Claim(s) <u>1 and 3-16</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) <u>16</u> is/are allowed.						
	Claim(s) <u>76</u> is/are allowed. Claim(s) <u>1,3-7 and 9-15</u> is/are rejected.						
	· · · · · · · · · · · · · · · · · · ·						
·	☑ Claim(s) <u>8</u> is/are objected to. ☑ Claim(s) are subject to restriction and/or election requirement.						
		r election requirement.					
Applicat	on Papers						
9)☐ The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority ι	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 							
Attachmen 1) ☐ Notic 2) ☐ Notic 3) ☑ Infor	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P	(PTO-413) te				
Paper No(s)/Mail Date <u>9/29/06</u> . 6) Other:							

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DETAILED FINAL OFFICE ACTION

Response to Amendment

1. The reply filed 11/21/2006 was applied to the following effect: All relevant objections are withdrawn as being satisfied.

Information Disclosure Statement

2. The information disclosure statement(s) (IDS) submitted on 9/29/2006 is/are in compliance with the provisions of 37 CFR 1.97. Accordingly, the examiner has considered the information disclosure statement.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- Claims 1, 3-7 and 9-15 are rejected under 35 U.S.C. 102(b) as being anticipated by the Applicant's Admitted Prior Art (hereinafter AAPA) (Description of Related Art, pages 1-8; Figures 11-16).
 - Regarding claim 1, AAPA teaches an optical pickup apparatus comprising:
- a plurality of optical components including a light emitting element 2 which emits working light for recording or reproducing information with respect to a recording medium (Figure 12);

a housing 6 for mounting therein the optical components;

a first wiring board 15, which is electrically connected to the light-emitting element,

wherein at least one of the optical components 2A is made positionally adjustable,

and wherein the first wiring board has an opening portion 15a formed in an area thereof

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which is located in proximity to the positionally-adjustable optical element 2A (Figures 14-16)

and wherein, in the first wiring board 15, the opening portion is formed in an area facing toward

part of the positionally-adjustable optical component 2A that undergoes significant displacement

at the time of positional adjustment to the optical component (Figure 15).

• Regarding claim 3, AAPA shows a gap is created between the positionally-adjustable

optical component and the housing arranged adjacent to the optical component,

and wherein the first wiring board has an opening portion formed in an area thereof,

which faces toward the gap (Figure 15).

• Regarding claim 4, AAPA discloses a pressing member 16 for preventing the first wiring

board from being displaced in a direction such as to move away from the optical component

(Figure 14).

• Regarding claim 5, AAPA teaches the first wiring board 15 is formed as a flexible wiring

board (Description of Related Art, page 4).

• Regarding claim 6, AAPA teaches the positionally-adjustable optical component includes

a light emitting element which has a diffraction grating integrally formed therewith for making

working light beams converge at a plurality of positions on a recording medium (Description of

Related Art, pages 2-3).

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• Regarding claim 7, AAPA shows a rotatable holder for accommodating the optical component,

wherein the optical component can be positionally adjusted by the rotation of the holder (Figure 16).

- Regarding claims 9 and 10, AAPA teaches the positionally adjustable optical component includes a light-receiving element 7 (Description of Related Art, page 2).
- Regarding claim 11, AAPA shows the opening portion of the flexible wiring board is slit shaped (Figure 14).
- Regarding claim 12, AAPA shows the opening portion of the flexible wiring board is formed as a notch extending over the outer edge of the first wiring board (Figures 14 and 15).
- Regarding claim 13, AAPA teaches a method for adjusting an optical pickup apparatus composed of a plurality of optical components including a light emitting element 2 which emits working light for recording or reproducing information with respect to a recording medium (Figure 12), a housing 6 for mounting therein the optical components; and a first wiring board 15 which is electrically connected to the light emitting element, comprising the steps of of optical components including a light emitting element 2 which emits working light for recording or reproducing information with respect to a recording medium (Figure 12); a housing 6 for mounting therein the optical components; and a first wiring board 15 which is electrically connected to the light emitting elements, comprising the steps of:

making at least one of the optical components positionally adjustable;

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forming an opening portion in an area of the first wiring board which faces toward part of the optical component which part undergoes significant displacement at the time of positional adjustment; and

adjusting the position of the positionally adjustable optical component by means of an adjustment tool inserted externally through the opening portion (Description of Related Art, page 7).

• Regarding claims 14 and 15, AAPA teaches a method for adjusting an optical pickup apparatus composed of a plurality of optical components including a light emitting element 2 which emits working light for recording or reproducing information with respect to a recording medium (Figure 12), a housing 6 for mounting therein the optical components; and a first wiring board 15 which is electrically connected to the light emitting element, comprising the steps of of optical components including a light emitting element 2 which emits working light for recording or reproducing information with respect to a recording medium (Figure 12); a housing 6 for mounting therein the optical components; and a first wiring board 15 which is electrically connected to the light emitting elements, comprising the steps of:

making at least one of the optical components positionally adjustable;

forming an opening portion in an area of the first wiring board which faces toward part of the optical component that undergoes significant displacement at the time of positional adjustment; and

bonding the positionally adjustable optical component to the housing by applying an adhesive through the opening portion (Description of Related Art, page 7).

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Allowable Subject Matter

4. Claim 8 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. Claim 16 is allowed. The following is a statement of reasons for the indication of allowable subject matter: Claim 16 specifies an optical pickup apparatus which requires "a second wiring board that is electrically connected to the first wiring board, is made rotatable, and has the optical component mounted thereon, and wherein the optical component can be positionally adjusted by the rotation of the second wiring board." The prior art of record fails to fairly, teach, show or suggest, by either anticipating or rendering obvious, the invention as set forth in the claims of the instant application. Furthermore, a search made does not detect the combined claimed elements as set forth in the pending claims. Additionally, the reasons for allowance of the claims over the prior art of record is believed to be readily clear, self evident and apparent from the claim language set forth in each of claim 16, when compared and contrasted with the prior art.

More particularly, the instant invention (as set forth in claim 16) provides for an optical pickup apparatus which requires "a second wiring board that is electrically connected to the first wiring board, is made rotatable, and has the optical component mounted thereon, and wherein the optical component can be positionally adjusted by the rotation of the second wiring board." None of the cited prior art of record disclose such an optical pickup, as set forth in the manner, function and relationship relative to other claimed structures as prescribed by the independent claims.

Therefore, these features, in combination with other features of claim 16, are not anticipated by, nor made obvious over, the noted prior art of record.

Response to Arguments

6. Applicant's arguments filed 11/21/2006 have been fully considered but they are not persuasive. The Applicant asserts on page 7:

"Claim 1 as amended now recites the subject matter of original Claim 2, with a clarification. Hence, the final clause of Claim I now recites "wherein, in the first wiring board, the opening portion is formed in an area facing toward part of the positionally-adjustable optical component which part undergoes significant displacement at the time of positional adjustment to the optical component." Note that Claim 1 as amended recites "which part" rather than "that" as in original Claim 2 to make it clearer where the significant displacement takes place."

The Examiner maintains the AAPA shows the first wiring board 15, the opening portion is formed in an area facing toward part of the positionally-adjustable optical component 2A that undergoes significant displacement at the time of positional adjustment to the optical component (Figure 15). Therefore the rejection of claim 1 is upheld.

Conclusion

7. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

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will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Christopher R. Magee whose telephone number is (571) 272-

7592. The examiner can normally be reached on M-F, 8: 00 am-4: 30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Andrea Wellington can be reached on (571) 272-4483. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher R. Magee

Patent Examiner Art Unit 2627

Andrea Wellington

Supervisory Patent Examiner

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February 17, 2007

crm